

2000-492775/44 E12 G08 (E23)
MITSUI CHEM INC
1998.11.20 1998-330392(+1998JP-330392) (2000.06.06) G03G 9/08,
C09K 3/00

An absorber of infrared rays for a toner and a toner containing
this absorber

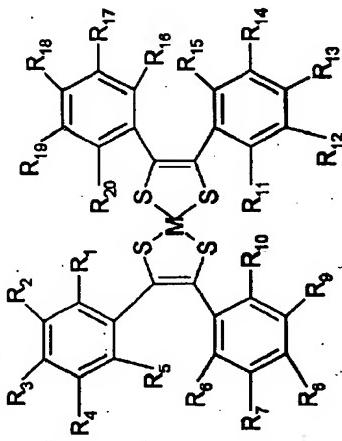
C2000-148334

NOVELTY

An electrophotographic toner contains an absorber of infrared
rays.

DETAILED DESCRIPTION

The absorber is of formula (1).



MITA 1998.11.20
* JP 2000155439-A

E(5-L2C, 5-L3B, 5-M, 5-N) G(6-G5)

(1)
 R_1 through R_{20} = H, halogen, optionally substituted alkyl, optionally
substituted alkoxy, optionally substituted aryl,
optionally substituted aryloxy, alkylamino,
dialkylamino, arylamino, or diarylamino;
 M = a metal atom.

USE

This toner is intended for flash fixing.

JP 2000155439-A+

ADVANTAGE

High efficiency of optical energy absorption and light/heat conversion is attained. This toner has excellent toner fixing property.

EXAMPLE

The amount of the absorber to add is 0.01 - 50 wt% per the binding resin. The binding resin typically includes polystyrene, polyester, epoxy, polyamide, and phenol.

DEFINITIONS

Preferred Definitions: In formula (1),
 R_1 through R_{20} = H, alkyl, or alkoxy, respectively. M is Ni, Pd, Pt, or Cu.

(7pp074DwgNo.0/0)

JP 2000155439-A